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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/323,415	06/01/1999	LARRY T. HARADA	06975/041001	9156

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EXAMINER

NOBAHAR, ABDULHAKIM

ART UNIT	PAPER NUMBER
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2132

DATE MAILED: 09/17/2003

13

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/323,415

Applicant(s)

HARADA ET AL.

Examiner

Abdulhakim Nobahar

Art Unit

2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-42 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-42 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 4-14, 18-22, 24-25, 27-28, 30-36 and 38-41 are rejected under 35 U.S.C. 102(b) as being anticipated by Lin et al (6,052,785) (hereinafter Lin).

Regarding claims 1, 6-10, 12, 22, 24 and , Lin discloses a mechanism for accessing securely remote data repositories (corresponding to the recited target server) by a client (see, for example, column 3, lines 41-51 and column 4, lines 54-67). The client request for accessing a file system is intercepted by a gateway server that corresponds to the recited proxy server (see, for example, column 6, lines 27-59). The client credentials (corresponding to the recited profile information) is used to authenticate the user by sending it to the file system server for authentication along with the user request (corresponding to the recited appending the profile information to the data request) (see, for example, column 3, lines 52-62, column 4, lines 30-38, column 7, lines 20-40 and column 8, line 57-column 9, line 24). Lin's system also provides for secure communications and encrypts the client request and credentials (see, for example, column 2, lines 7-12, column 7, lines 25-41 and column 8, lines 1-9). The

client and the web server negotiate the method of encryption and the key exchange process before the data transmission (see, for example, column 5, lines 62-67).

Regarding claims 4, 5 and 28, these claims are rejected as applied to the like elements of claim 1 above and further the following:

Lin discloses that the client credentials (profile information) are stored in and retrieved from a designated database based on the client identifier (see, for example, abstract, column 4, lines 34-35 and column 5, lines 51-56) and further Lin discloses that the middle tier server (proxy server) is coupled to the network via a network interface (see Figs. 1 and 2).

Regarding claim 11, Lin discloses that the client utilizes a web browser to make HTTP requests (see, for example, column 1, lines 46-59) from the web server which is a HTTP server (see, for example, column 5, lines 57-60).

Regarding claims 13-14, 18-21, 25, 27 and 30-32, these claims are rejected as applied to the like elements of claims 6-10 above and further the following:

Lin discloses that the middle tier server which includes gateways (corresponding to the recited proxy server) receives an SSL (encrypted) request for data access from user (see, for example, column 2, lines 52-56, column 6, lines 27-29). If the request is for accessing remote data then the request is transmitted to the remote data repository that corresponds to the recited information server (see, for example, column 7, lines 10-

13 and Figs. 4 and 5). At the remote data repository the client credentials (profile information) is extracted from the encrypted request to process client request and to prepare a response (see, for example, column 7, line 42-column 8, line 9).

Regarding claims 33, 36 and 38, these claims are rejected as applied to the like elements of claim 1 above and further the following:

Lin discloses that at the middle tier server (corresponding to the recited proxy server), it is determined that to which remote data repository (corresponding to the recited target server), the client request should be sent (see, for example, column 2, lines 41-56 and column 5, lines 14-34). Lin also discloses that a database called the security hash table is queried for the client credentials (profile information) with regard to communication between client and web server (see, for example, column 8, lines 51-56).

Regarding claims 34-35 and 39-40, these claims are rejected as applied to the like elements of claims 6-10 above.

Regarding claim 41, this claim is rejected as applied to the like elements of claim 36 above.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 2-3, 15-17, 23, 26, 29, 37 and 42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lin et al (6,052,785) (hereinafter Lin) in view of Uhler et al (2001/0039587 A1) (hereinafter Uhler).

Regarding claims 2, 3, 23, 29 and 37, Lin does not expressly disclose the use of a reference token to be sent to the target server along with the subsequent client requests. Uhler, however, teaches a method for accessing web server by a client through a proxy server that uses a cookie (corresponding to the recited reference token) (see, for example, page 6, [0093]-[0094], Fig. 2 and Fig. 4). The cookie is received from the web server and it is transmitted back to the web site with the subsequent client requests. The cookie is used to determine if the client has the proper authentication. The cookie is sent to the client by the web server based on the initial authentication of the client which is associated with the credentials of the client.

It would have been obvious to a person of ordinary skill in the art, at the time the invention was made, to implement the use of cookie (token) as taught in Uhler in the system of Lin, because the steps of authenticating the client would not be repeated in

the subsequent client attempts to access the web site (see Uhler, page 6, [0093] and Lin, column 3, lines 16-32).

Regarding claim 15, this claim is rejected as applied to the like elements of claim 13 above and further the following:

Uhler teaches that the HTTP web server uses common gateway interface to handle the client request (see, for example, page 2, [0028]).

Regarding claim 16, this claim is rejected as applied to the like elements of claim 13 above and further the following:

Uhler teaches that the web server sends a cookie (corresponding to the recited reference token) along with the response to the client (see, for example, page 6, [0093]).

Regarding claim 17, this claim is rejected as applied to the like elements of claims 2 and 13 above.

Regarding claims 26 and 42, these claims are rejected as applied to the like elements of claims 2 and 13 above and further the following:

Lin discloses that the remote data repository (web server) stores the extracted client credentials (see column 7, line 60-column 8, line 9).

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US Patent No. 6,487,538 B1 to Gupta et al.

US Patent No. 5,991,810 to Shapiro et al.

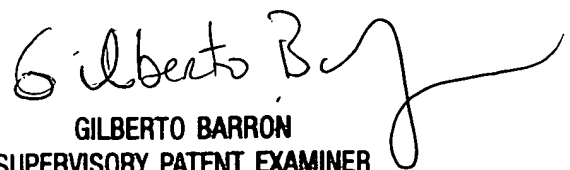
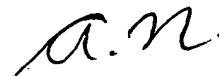
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Abdulhakim Nobahar whose telephone number is 703-305-8074. The examiner can normally be reached on M-F 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 703-305-1830. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

AN
September 9, 2003

Abdulhakim Nobahar
Examiner
Art Unit 2132



GILBERTO BARRON
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100